

REMARKS

Reconsideration and withdrawal of the rejections of the application are respectfully requested in view of the following remarks.

I. STATUS OF THE CLAIMS AND FORMAL MATTERS

Claims 1-3 and 5-7 are pending in this application. Claims 4 and 8 are cancelled.

II. REJECTIONS UNDER 35 U.S.C. §§ 102(e) and 35 U.S.C. § 103(a)

Claims 5 and 6 were rejected under 35 U.S.C. § 102(e) as allegedly anticipated by U.S. Patent No. 6,675,385 to Wang (hereinafter, merely "Wang").

Claims 1-3 and 7 were rejected under 35 U.S.C. § 103(a) as allegedly unpatentable over Wang in view of U.S. Patent No. 5,930,493 to Ottesen et al. ("Ottesen").

Claim 1 recites, *inter alia*:

"A transmitting apparatus for transmitting contents data and corresponding meta data over a network, comprising:

... meta data schema storing means for storing a meta data schema defining a data structure for said meta data that is compatible with a network transmission format;

contents segmenting means for segmenting said contents data and generating segmentation information of the contents data;

...meta data combining means for combining the corresponding meta data and segmentation information for the segmented contents data;

...transmitting means for transmitting the converted meta data and segmentation information, the converted meta data schema, and the converted contents data in the network transmission format over the network." (Emphasis added)

As understood by Applicants, Wang relates to a headend and settop box for enabling the presentation of only *Electronic Program Guide* (EPG) information. Only the EPG data is translated into a plurality of HTML Web pages, which are continuously transmitted to a user terminal as a rotating data carousel in an MPEG-2 data stream.

As understood by the Applicants, Ottesen relates to a multimedia server system and a method for communicating multimedia programming to distantly situated media control systems, which includes a mass storage library for storing a plurality of multimedia programs. A multimedia program is coded in accordance with a predetermined compression standard and stored in a compressed digital format as sequentially ordered discrete program segments in the mass storage library, with each of program segments being representative of a unique portion of the multimedia program. A video parser organizes the sequentially ordered program segments of a multimedia program into a custom ordered series of program segments preferably including non-sequentially and sequentially ordered program segments in accordance with configuration parameters associated with the configuration and presentation control features of a media control system requesting the multimedia program.

Applicants respectfully submit that none of the cited references teach or suggest the above identified feature of claim 1. Specifically, none of Wang and Ottesen, considered either alone or in combination, teach or suggest a transmitting apparatus for transmitting contents data and corresponding meta data over a network, including contents segmenting means for segmenting said contents data and generating segmentation information of the contents data and contents converting means for converting the segmented contents data into said network transmission format and meta data combining means for combining the corresponding meta data and segmentation information for the segmented contents data and transmitting means for

transmitting the converted meta data and segmentation information, the converted meta data schema, and the converted contents data in the network transmission format over the network, as recited in claim 1.

Applicants respectfully submit that the portions of Wang that the Examiner relies upon to suggest representation in form of a descriptor format of an MPEG system section (col. 4, lines 9-30 of Wang) merely disclose that Data Streamer 18 generates control maps defining the correspondence between the MPEG-2 packet identifiers of generated MPEG-2 data packets and respective URLs of the group of EPG Web pages as well as other groups of Web pages.

However, using the system of Wang, the user can only temporarily store contents data of a digital broadcast. When necessary, the user can retrieve contents data from a storage medium (EPG database) and reproduce the retrieved content data. In this case, using meta data of each program, the user *cannot* arrange the structure of programs corresponding to *his or her favorite*. In addition, when a storage medium is changed, segmentation information cannot be used.

Therefore, an embodiment of the present invention is to provide for such a feature by allowing data to be effectively delivered with flexibility and selectivity corresponding to a user's favorite in such a manner that contents data is segmented and meta data is correlated with any partial data. To accomplish the above-described feature, the present invention claims a transmitting and receiving apparatus for transmitting and receiving contents data and corresponding meta data over a network, including contents segmenting means for segmenting said contents data and generating segmentation information of the contents data and contents converting means for converting the segmented contents data into said network transmission format and meta data combining means for combining the corresponding meta data and

segmentation information for the segmented contents data and transmitting means for transmitting the converted meta data and segmentation information, the converted meta data schema, and the converted contents data in the network transmission format over the network, as recited in claim 1.

Wang and Ottesen fail to teach or suggest such a feature.

For at least the foregoing reasons, Applicants respectfully submit that claim 1 is patentable.

Claims 2 and 5-6 are similar, or somewhat similar, in scope to claim 1, and are therefore patentable for similar or somewhat similar reasons.

III. DEPENDENT CLAIMS

Claims 3 and 7 in this application are each dependent from one of the independent claims discussed above and are therefore patentable for at least the same reasons. Since each dependent claim is also deemed to define an additional aspect of the invention, however, the individual reconsideration of the patentability of each on its own merits is respectfully requested.

CONCLUSION

In view of the foregoing amendments and remarks, Applicants respectfully submit that all of the claims are in condition for allowance and request early passage to issue of the present application.

In the event the Examiner disagrees with any of statements appearing above with respect to the disclosure in the cited reference, it is respectfully requested that the Examiner specifically indicate those portions of the reference providing the basis for a contrary view.

Please charge any additional fees that may be needed, and credit any overpayment, to our Deposit Account No. 50-0320.

Respectfully submitted,

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